

ABSTRACT OF THE DISCLOSURE

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~~The invention provides a~~ production process of a gas turbine capable of being applied to various cycles. A principal part of a gas turbine is ^{initially} set ~~in advance~~ based on roughly set conditions, and the number of stages of ~~a~~ ^{the} compressor and ~~the number of stages of a turbine, which can provide conditions suitable for a desired cycle,~~ ^{the} are set ~~based on the set~~ ^{for} principal part. The compressor and the turbine each having the set number of stages and included in the principal part are combined ~~with each other~~ to construct the gas turbine. When the set number of stages of the compressor or the turbine differs ^{for a different} ~~among a plurality of~~ desired cycles, a substantially disk-shaped member having an outer periphery, which forms an inner peripheral wall of ~~a~~ ^{the} substantially annular flow passage of the compressor or the turbine, is assembled into the ^{principal part} ~~cycle~~, having a smaller number of stages so that the bearing-to-bearing distance is kept constant, ~~in the gas turbine operated in the plurality of desired cycles.~~

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